

**CLASS SPECIFICATION**  
**County of Fairfax, Virginia**

**CLASS CODE:** 5135

**TITLE:** PUBLIC WORKS/ENVIRONMENTAL SERVICES TECHNICAL SPECIALIST

**GRADE:** S-24

**DEFINITION:**

Under general supervision, performs advanced technical work in a narrow and highly specialized area requiring knowledge and skills acquired by experience in the specific functional area; and performs related work as required.

**DISTINGUISHING CHARACTERISTICS OF THE CLASS:**

This is an advanced technical class where the work requires a high degree of specialized knowledge in a specific, focused area.

**ILLUSTRATIVE DUTIES:**

Analyzes infrastructure and implements changes needed to improve and enhance function for complex solid waste management systems such as landfill gas and leachate, wastewater collection systems and associated pumping stations, and stormwater management systems;

Prepares technical specifications for environmental services contracts, and serves as liaison on procurement actions;

Manages specialized contracts for the repair and rehabilitation of environmental services utilities and infrastructure;

Reviews plans and recommends necessary changes to ensure compliance with environmental laws and regulations, and the County's Public Facilities Manual;

Reviews road improvement and transportation related projects to determine impact on existing or proposed sanitary sewer facilities;

Reviews and develops reports, maintains large and complex databases, and keeps files in accordance with permit conditions for environmental service area;

Provides input and assists in long range planning for public works/environmental services projects, for environmental improvement program (EIP) initiatives, for emergency response, and capital projects;

Reviews equipment and infrastructure condition and performance in order to plan for repair, replacement cycles and upgrades;

Maintains current working knowledge of local, state, and federal environmental laws and regulations as they apply to the area of responsibility;

Provides customer service with information and assistance to co-workers, County staff, facility users, and the general public.

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Page 2

**REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:**

Knowledge of the specialized methods and equipment used in the particular area of wastewater, solid waste or stormwater management operations or construction projects and of inspection methods used in reviewing such work;

Knowledge of specialized mechanical, chemical, electrical, pneumatic, and hydraulic equipment operation;

Knowledge of emergency response procedures in the assigned public works/environmental services area;

Ability to review contract documents, proposals and change orders for cost and compliance with County standards, guides and operational needs;

Ability to review plans and as-built plans for compliance with County standards, guides and operational needs;

Knowledge of county, state and federal laws, regulations, codes, and ordinances which apply to the functional area;

Knowledge of environmental testing methods;

Ability to apply innovative technologies to the repair and rehabilitation of environmental systems;

Ability to collect and compile research data;

Ability to prepare reports, specifications, and procurement and contract documents and to present information in a clear and concise format;

Ability to communicate effectively both orally and in writing;

Ability to establish and maintain effective working relationships with other county agencies, citizen's groups, facility users, community, County, and state officials.

**EMPLOYMENT STANDARDS:**

Any combination of education, training, and experience equivalent to an associate's degree in environmental sciences, engineering technologies, construction management, or related field; PLUS four years of experience in the assigned area.

**CERTIFICATES AND LICENSES REQUIRED:**

A valid driver's license may be required for some positions as identified to the Department of Human Resources.

**NECESSARY SPECIAL REQUIREMENTS:**

Possession of a valid Virginia Waste Management Facility Operator Class I or II license or the ability to obtain same within one year may be required for certain positions as identified to the Department of Human Resources.

REGRADED: August 24 2010  
ESTABLISHED: September 4, 2009